

Table A2: Detailed Costs of Soil Bioengineering Treatment: Chelan Site

| MATERIALS | Unit | Units | \$/unit | Total \$ |
|---|-------------|--------------|--------------------|--------------------|
| Spray paint | EA | 2 | \$ 1.11 | \$ 2.22 |
| Flagging Tape | EA | 7 | \$ 1.89 | \$ 13.23 |
| Rebar 1/2" x 20' | EA | 93 | \$ 3.13 | \$ 291.09 |
| Straw bales | EA | 11 | \$ 5.50 | \$ 60.50 |
| Annual Rye grass seed | LB | 20 | \$ 0.99 | \$ 19.80 |
| Rebar 1/2" x 20' | EA | 132 | \$ 3.13 | \$ 413.16 |
| Wood Stakes 1/2" x 24" (50/bd) | BD | 35 | \$ 7.88 | \$ 275.80 |
| Compost, GroCo | CU YD | 30 | \$ 26.00 | \$ 780.00 |
| Trucking Mileage | MI | 183 | \$ 3.00 | \$ 549.00 |
| Rebar 1/2" x 20' | EA | 20 | \$ 3.35 | \$ 67.00 |
| Native Seed, custom mix | LB | 66 | \$ 8.00 | \$ 528.00 |
| Bender Board, Cedar | LF | 24000 | \$ 0.10 | \$ 2,400.00 |
| Wooden Stakes 2"x2"x4' | BD | 21 | \$ 16.45 | \$ 345.45 |
| Twine, garden 150' | EA | 1 | \$ 2.84 | \$ 2.84 |
| Hacksaw Blades 12x24 | EA | 1 | \$ 1.89 | \$ 1.89 |
| Hacksaws | EA | 2 | \$ 5.49 | \$ 10.98 |
| Hacksaw Blades 12x24 | EA | 4 | \$ 2.29 | \$ 9.16 |
| Supplies Total | | | | \$ 5,770.12 |
| EQUIPMENT RENTALS | Unit | Units | \$/unit | Total \$ |
| Partner Saw | DAY | 1 | \$ 42.00 | \$ 42.00 |
| Metal Blades | EA | 1 | \$ 9.92 | \$ 9.92 |
| Rentals Total | | | | \$ 51.92 |
| PLANT MATERIAL TOTAL * | | | | \$ 2,093.00 |
| OPERATION AND MAINTENANCE²⁹ | | | | \$ 5,232.50 |
| HEAVY EQUIPMENT | Unit | Units | \$/unit | Total \$ |
| Excavator (4.5days) Bulldozer (1day) | EA | 1 | \$ 7,296.10 | \$ 7,296.10 |
| WSDOT PERSONNEL | Unit | Units | \$/unit | Total \$ |
| Inspection | DAY | 30.625 | \$ 124.80 | \$ 3,822.00 |
| Real Estate Services | EA | 1 | \$ 500.00 | \$ 500.00 |
| Survey Crews | DAY | 1 | \$ 1,200.00 | \$ 1,200.00 |
| Per Diem** | EA | 1 | \$ 1,143.39 | \$ 1,143.39 |
| Personnel Total | | | | \$ 5,522.00 |

²⁹ This includes approximately \$1,500 that was used for repairing a small section of the slope that failed after a period of heavy rains on a snow layer. Approximately 40' of the total 1,875' failed.
 Operation and maintenance costs for soil bioengineering generally are attributed to plant establishment.

Table A2 continued: Chelan

| | | | | |
|---------------------------|--------------|--------------|---------------------|-------------------------|
| WCC CREW | Unit | Units | \$/unit | Total \$ |
| WCC Total | DAY | 52.5 | \$ 500.00 | \$ 26,250.00 |
| TOTAL CHELAN COSTS | | | | \$ 52,215.64 |
| COSTS / SQ. FT. | Unit | Units | Cost | Total \$/Sq. Ft. |
| TOTAL | SQ FT | 24000 | \$ 52,215.64 | \$ 2.18 |

Note: Mobilization costs, sales tax and traffic control costs are included in all the soil bioengineering totals. They are hidden costs since actual costs were used in this analysis.